



SINCE 1908
wessels
 company

SUBMITTAL

WVNA-HV (High Velocity) SERIES

AIR SEPARATOR

Models: WVNA-2HV thru WVNA-12HV

Submittal Sheet No. D-1116B

Date: 10/17

Job Name _____	Submitted By _____	Date _____
Location _____	Approved By _____	Date _____
_____	Order No. _____	Date _____
Engineer _____	Notes _____	
Contractor _____	_____	
Sales Rep. _____	_____	

Description

Wessels WVNA-HV (High Velocity) series Air Separators are designed to eliminate entrained air associated with start-up and maintenance of any hydronic system. The design incorporates a skim valve that is used to eliminate floating debris and an air vent to automatically release air from the separator.

Construction

Shell: Carbon Steel
 Coalescing Medium: Stainless Steel
 Blow Down Valve (optional): Brass
 Skim Valve (optional): Brass
 Vent (optional): Cast Iron

Performance Limitations

Maximum Design Temperature: 250°F
 Maximum Design Pressure: 150 PSIG*

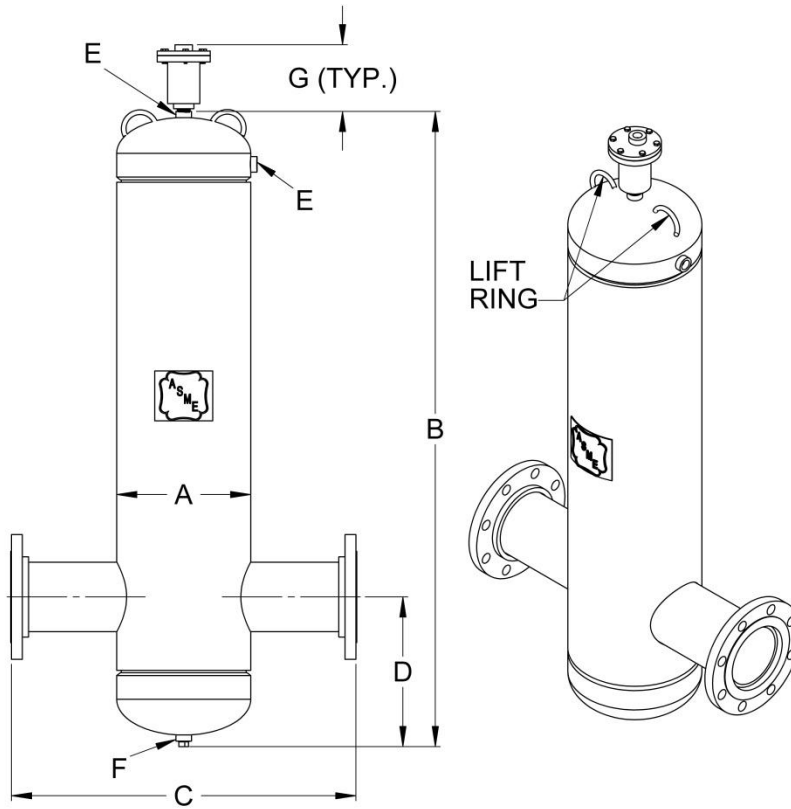
*200 & 250 PSIG available

Model Number	Part Number	Max Flow (GPM)	Tagging Information	Quantity
WVNA-2HV	72315002	105		
WVNA-2HV-NPT	72315014	105		
WVNA-2.5HV	72315026	155		
WVNA-2.5HV-NPT	72315038	155		
WVNA-3HV	72315050	225		
WVNA-3HV-NPT	72315062	225		
WVNA-4HV	72315074	405		
WVNA-5HV	72315098	630		
WVNA-6HV	72315110	910		
WVNA-8HV	72315122	1610		
WVNA-10HV	72315134	2450		
WVNA-12HV	72315146	3500		

Typical Specification

Furnish and install, as shown on plans, a WVNA- _____ HV Air Separator as manufactured by Wessels Company. Each separator must be designed with a blow down valve, skim valve, and automatic air vent. The separator must also utilize in its design a stainless steel coalescing medium to aid in the separation of air in the system's entrained water. The separator shall be constructed for 150 PSI working pressure @ 250°F.

Each air separator shall be Wessels model number WVNA- _____ HV or approved equal.



WVNA-2HV thru WVNA-12HV

Dimensions & Weights

Model Number	Dimensions in Inches								Approx Shipping Wt (lbs)										
	Connection Size	A	B	C	D	E	F	G											
WVNA-2HV	2	4	23	15 1/4	6 1/2	1/2	1	8 5/8	40										
WVNA-2HV-NPT				10 3/8					31										
WVNA-2.5HV	2.5	5		15 3/4					68										
WVNA-2.5HV-NPT				11					45										
WVNA-3HV	3	6	30	20 1/4	9				1/2	1	8 5/8	82							
WVNA-3HV-NPT				12 1/2								68							
WVNA-4HV	4	8		20 5/8								122							
WVNA-5HV	5	10	41	27 3/4	11 1/2							1/2	1	8 5/8	12				
WVNA-6HV	6	12													140				
WVNA-8HV	8	16	49	33 5/8											14	1/2	1	8 5/8	245
WVNA-10HV	10	20	60	37 1/2															407
WVNA-12HV	12	24	71	42 1/2	16										612				

Notes

- Trim package is optional.